2.0 Megapixel IR Bullet IP Camera

Built-in IR, varifocal lens, outdoor and vandal-resistant

No need to add on IR illuminators or other forms of external lighting - this 2.0 Megapixel Outdoor IP Bullet Camera includes a built-in IR array, giving you 82' of visibility in complete darkness. The adjustable varifocal 3.3mm to 12mm lens lets you adjust to the exact shot you need. It's weatherproof rated to IP68 for outdoor use.

Advanced features include digital I/O for connection to external sensors and alarms, making it possible for you to be notified of events like door opening or motion detection. Combined with the 2-way audio support, you have a powerful solution for secured entryways or corrections facilities.

The dual codec gives you the choice of either H.264 or MJPEG compression. H.264 reduces file size without eroding the quality of high-resolution video.

This camera includes video processing features to improve the quality of your video and the performance of your camera:

- **3D Noise Reduction (3D-DNR)** takes traditional DNR technology a step further. Not only does 3D DNR handle the traditional frame-to-frame noise reduction, but it also incorporates spatial noise reduction. Spatial noise reduction compares a pixel with its neighboring pixels to detect and remove unwanted noise found within the frame. It processes the entire image to remove digital artifacts and grainy appearance while better maintaining image clarity and sharpness.

- **Motion detection** enables your camera to detect motion. Motion detection can be programmed to trigger other events, such as recording, high-resolution recording, and still image capture.

- **Blind detection** is a tamper notification. It sends an alert of the viewing angle of the cameras changes more than 5%, or if the viewing area has been blocked.

- **Privacy masking** allows you to black out areas of the video. It's commonly used in areas where private codes and passwords are being entered. For example, the owner may want the general manager to be able to look at the video of the office, but not see what the owner's codes or passwords are as he types or enters the company safe.

The PoE (Power over Ethernet) feature allows you to run power to your camera through your Ethernet cable, saving you time and money during installation.

KEY FEATURES

- » 2.0 Megapixel resolution at 15 fps

- » 3.3 mm-12 mm Varifocal Lens

- » Built-in IR array allows you to see up to 82' in total darkness

- » IP68 Weather Rating

- » Video processing features include 3D noise reduction, motion detection, blind detection, and privacy masking

- » Digital I/O for external sensor and alarm

- » 2-way audio support

- » H.264/MJPEG Dual Codec

- » PoE (Power Over Ethernet)

- » 1/3" Progressive Scan CMOS Image

Comes with bracket, mounting hardware, quick-start guide, application disk with full manual and software, 2-year warranty and 30-day money-back guarantee.

Product Specifications

Imaging Specifications

Color	Yes
Day/Night Function	True D/N w/Mechanical cut filter
Digital Noise Reduction (DNR)	Yes
Electronic Shutter (sec)	Auto
Imager Size (in)	1/3
Imager Type	Progressive Scan CMOS
IR Array Range (ft)	82
IR Sensitive	Yes
Lux (B/W)	0 (IR ON)
Lux (Color)	0.02
Megapixel	2.0
Resolution: Horizontal	1600
Resolution: Vertical	1200
Wide Dynamic	No
Lens Specifications	Short Description (web)
IR Corrective	Yes
Focus	Manual
Lens Included	Yes
Lens Type	Varifocal
Max Focal Length (mm)	13
Min Focal Length (mm)	3.3
Zoom	Manual

Audio Specifications

Audio	Yes
Audio Compression	AMR, G.711 @ 64kbps, G.726 @ 32kbps
Audio Streaming	Two-Way
Built-in Mic	No
Speakers	No

Wireless Specifications

Wireless	No

Connectors

Audio In	Terminal Block
Audio Out	Terminal Block
Digital Inputs	1
Digital Outputs	1

Power Requirements

Amps DC (mA)	500
Power over Ethernet (PoE)	802.3af
PoE Power Consumption (watts)	6 max
Power Supply Included	No
Volts DC Input	12

Recording Specifications

Bit Rate Control	CBR/VBR
Email Notification	Yes
Event Log	Yes
Event Notification	Yes
Frame Rate (fps)	15 fps @ 1600 x 1200 30 fps @ 1280 x 720
Pre/Post Alarm Recording	Yes
Privacy Video Block	Yes
Resolution: Low (px)	192 x 112
Resolution: Max (px)	1600 x 1200
Selectable Frame Rate	Yes
Still Image Capture	Yes
Video Analytics Capable	No
Video Motion	Yes
Video Streaming	Dual Streaming

Software

Browser Support	Explorer, Firefox, Chrome, Safari

Networking

3GPP Support	Yes
Ethernet Interface	RJ-45
Ethernet Ports	1
Ethernet Speed	10/100
Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/HTTP tunneling, LAN Multicast, Multipart-JPEG IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP
Remote Configuration	Yes
Remote Viewable	Yes

Physical Characteristics

Card Reader Type	Micro SD
Dimensions: Height (in)	4.1
Dimensions: Width (in)	3.46
Dimensions: Length (in)	10.04
Indoor	Yes
Mounting Bracket Included	Yes
Operating Temperature (Degrees F)	-4 - 122
Outdoor	Yes
Vandalproof	Yes
Weather Rating	IP68
Weight (lb)	2.76
Weight (oz)	44.09

Other

Certification	CE, FCC Class A, RoHS
Warranty (years)	3